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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

**Complete if Known**

Application Number	10/057.506
Filing Date	01/23/2002
First Named Inventor	Wellinghoff & Hanson
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-03

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
JES		US- 09/667,370	09-22-2000	Wellinehoff et al.	P
		US- 09/692,690	10-19-2000	Wellinehoff	P
		US- 09/690,527	10-17-2002	Wellinehoff et al.	2,410,765
		US- 09/691,680	10-18-2000	Wellinehoff	P
		US- 09/687,447	10-13-2000	Wellinehoff	2,417,214
		US- 09/314,350	05-19-1999	Furman et al.	619,481
		US- 09/726,769	11-29-2000	Furman et al.	B
		US- 60/263,387	01-23-2001	Wellinehoff et al.	RECEIVED
		US- 10/057,548	01-23-2002	Wellinehoff et al.	FEB 04 2003
		US- 60/263,388	01-23-2001	Wellinehoff et al.	TC 1700
		US- 60/263,392	01-23-2001	Wellinehoff	P
		US- 60/303,986	07-09-2001	Wellinehoff	
		US- 10/056,121	01-23-2002	Wellinehoff et al.	
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		US-			
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**FOREIGN PATENT DOCUMENTS**

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**
*(Use several sheets if necessary)*

ATTY. DOCKET NO.

SWRI-2835-03

SERIAL NO.

10/057,506

APPLICANT

Wellinghoff et al.

FILING DATE

01/23/2002

GROUP

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	AA	5,622,648	04/22/1997	Parri et al.	—	—	
<i>JS</i>	AB	6,031,015	02/29/2000	Ritter, et al.	—	—	
<i>JS</i>	AC	6,258,974	07/10/2001	Wellinghoff et al.	—	—	
	AD						
	AE						
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	AJ						

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							YES	NO
	AK							
	AL							
	AM							

**OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)**

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ATTY. DOCKET NO.

SWRI-2385

SERIAL NO.

10/057,548

APPLICANT

Wellinghoff et al.

FILING DATE

01/23/2002

GROUP

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	AA	RE. 32,073	01/28/1986	Randklev			
	AB	4,215,033	07/29/1980	Bowen			
	AC	4,539,048	09/03/1985	Cohen			
	AD	4,588,756	05/13/1986	Bowen			
	AE	4,623,738	11/18/1986	Sugerman et al.			
	AF	4,659,751	04/21/1987	Bowen			
	AG	4,663,147	05/05/1987	DePrince			
	AH	4,753,652	06/28/1988	Langer et al.			
	AI	4,964,911	10/23/1990	Ibsen et al.			
JS	AJ	4,978,640	12/18/1990	Kelly			

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JS	✓	AK	2,181,507	Canada				
JS	✓	AL	EP 0159887 A2	EPO				
JS	✓	AM	EP 1142863 A2	10/2001 EPO			X	

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

✓	AN	"Nanostructured Materials: A Technical-Market Analysis", Mincy N. Ritter, Business Communication Co., Inc., Fine, Ultrafine and Nano Powders '98'
JS ✓	AO	H. Schmidt et al., "Organically modified ceramics and their applications", Journal of Non-Crystalline Solids, 1990, 121, pp. 428-435
JS	AP	Mark W. Ellsworth et al., "Mutually Interpenetrating Inorganic-Organic Networks. New Routes into Nonshrinking Sol-Gel Composite Materials", J. Am Chem. Soc., 1991, 113, 2756-2758

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JS

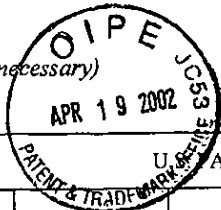
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	BA	5,030,608	07/09/1991	Schubert et al.			
	BB	5,057,018	10/16/1991	Bowen			
	BC	5,064,877	11/12/1991	Nass et al.			
	BD	5,276,068	01/04/1994	Waknine			
	BE	5,308,886	05/03/1994	Masuhara et al.			
	BF	5,328,947	07/12/1994	Taguchi et al.			
	BG	5,334,625	08/02/1994	Ibsen et al.			
	BH	5,372,796	12/13/1994	Wellinghoff			
	BI	5,401,528	03/28/1995	Schmidt			
	BJ	5,472,797	12/05/1995	Yajima et al.			
<i>JS</i>	BK	5,486,548	01/23/1996	Podszun et al.			

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JS</i>	BL	EP 0754 675 A2	11/97	EPO				
<i>JS</i>	BM	JP H 5-178794	12/26/91	Japan			Best	
<i>JS</i>	BN	WO 92/16183	24.04.97	PCT			Yes	

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>JS</i>	BO	Stephen Wellinghoff et al., "Tantalum oxide-polymer composites", The International Symposium on Advances in So.-Gel Process and Applications, Edited by Y.A. Attia, Plenum Press, pp 141-154, 1994.
<i>JS</i>	BP	Christine Landry et al., "In situ polymerization fo tetraethoxysilane in poly(methyl methacrylate): morphology and dynamic mechanical properties", POLYMER, 1992, Vol. 33, No. 7, pp. 1486-1495
<i>JS</i>	BQ	Michael J.S. Dewar et al., "Factors Influencing the Stabilities of Nematic Liquid Crystals", Jorنال of American Chemical Society, 97-23, 6658-6666

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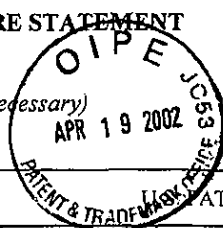
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## PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	CA	5,502,087	03/26/1996	Tateosian et al.			
	CB	5,556,931	09/17/1996	Imura et al.			
	CC	5,663,214	09/02/1997	Okada			
	CD	5,670,583	09/23/1997	Wellinghoff			
	CE	5,695,681	12/09/1997	Siemensmeyer et al.			
	CF	5,720,805	02/24/1998	Wellinghoff et al.			
	CG	5,730,601	03/24/1998	Bowman et al.			
JP	CH	5,804,097	09/08/1998	Delavier et al.			
Duplicate	CI	5,833,880	11/10/1998	Siemensmeyer et al.			
JP	CJ	5,834,532	11/10/1998	Yamamoto et al.			

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JP	✓	CK	WO 97/14674	24.04.97	PCT			
JP	✓	CL	WO 98/23580	04.06.98	PCT			
CO	✓	CM	WO 99/17716	15.04.99	PCT			

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JP	✓	CN	Wolfgang Wedler et al., "Vitrification in Low-molecular-weight mesogenic Compounds", J. Mater. Chem., 1991, 1(3), 347-356					
JP	✓	CO	Sukmin Lee et al., "Phase Behavior of Liquid Crystalline Polymer/Model Compound Mixtures: Theory and Equipment", Macromolecules, Vol. 27, No 14, 1994, 3955-3962					
JP	✓	CP	R.A.M. Hikmet et al., "Effect of the Orientation of the Ester Bonds on the Properties of Three Isomeric Liquid Crystal Diacrylates Before and After Polymerization", Macromolecules, Vol. 28, No. 9, 1995, 3313-3327					

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## U.S. PATENT DOCUMENTS

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JS	DA	5,852,248	12/22/1998	Chadwick			
	DB	5,859,089	01/12/1999	Qian			
	DC	5,865,623	02/02/1999	Suh			
	DD	5,886,064	03/23/1999	Rheinberger et al.			
	DE	5,897,885	04/27/1999	Petticrew			
	DF	5,910,273	06/08/1999	Thiel et al.			
	DG	5,991,991	06/15/1999	Keller et al.			
	DH	5,995,514	09/21/1999	Huang et al.			
	DI	5,998,499	12/07/1999	Klee et al.			
JS	DJ	6,220,404	02/08/2000	Ettlinger et al.			

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JS	DK	WO 98/13008	02/04/98	PCT				
JS	DL	WO 94/24052	27.10.94	PCT				
	DM							

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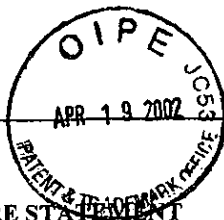
JS	DN	Y. Wei et al., "Synthesis of New Organic-Inorganic Hybrid Glasses"; Chem. Mater. 2(4), 337 (1990)						
JS	DO	Manabu Node et al. "Hard Acid and Soft Nucleophile System. 2." Demethylation of Methyl Ethers of Alcohol and Phenol with an Aluminum Halide-Thiol System", J. Org. Chem. 1980, 45, 4275-4277 (1980 American Chemical Society)						
JS	DP	Glancarto Galli et al., "Thermotropic poly(ester- $\beta$ -sulfide)s", Polymer Bulletin 21, 563-569 (1989)						

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J</i>	EA	6,027,816	02/22/2000	Ono et al.			
<i>J</i>	EB	6,031,015	02/29/2000	Ritter et al.			
<i>J</i>	EC	6,087,816	07/11/2000	Volk			
<i>J</i>	ED	6,335,462	01/01/2002	Etzbach et al.			
	EE						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	EK							
	EL							
	EM							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>J</i>	EN	"Titanium Tin Oxide Nanoparticles for Sunscreen Applications"
	EO	
	EP	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

<b>Application Number</b>	10/057,506
<b>Filing Date</b>	01/23/2002
<b>First Named Inventor</b>	Wellinghoff et al.
<b>Group Art Unit</b>	1741
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	SWRI-2835-03

Sheet 1 of 1

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